



Portable Electro Hydraulic Trainer



Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

Equipment Overview

- It mainly consists of aluminum alloy case, various hydraulic components, electric control part, hydraulic station, etc.
- Small in size, light in weight, it could be used for demonstration, teaching and learning expediently. All components are to be encased in a portable case for secured storage purpose.
- The ports of hydraulic components and electrical elements are set apart, students can link hydraulic and electric control circuits autonomously, such as pressure control loop, direction control loop, speed control loop, etc.
- This system allows learners to understand hydraulic components structure and functions, the set-up of basic hydraulic circuits and basic electro-hydraulic circuits.

Training Content

- Understanding of hydraulic components structure and functions
- Single stage pressure regulating loop of overflow valve
- One-stage pressure regulating loop of reducing valve
- Reversing loop of 4/3way solenoid valve
- Speed regulating loop of flow control valve
- Speed regulating loop of throttle valve
- Hydraulic controlled one-way valve controlled locking loop
- Pressure relay controlled sequential loop

Technical Parameters

1. Input Voltage: AC220 V $\pm$ 10%, 50 Hz; Output: 24V
2. Overall power consumption: $\leq$ 0.3 kVA
3. Dimensions: Component box 630mm $\times$ 490mm $\times$ 260mm (approx.)
Electrical control box 580mm $\times$ 420mm $\times$ 170mm (approx.)
4. Weight: 46kgs (approx.)



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Hydraulic Components	Qty
Hand directional valve	1
Hydro-cylinder	1
(4/3) way solenoid valve ('O'type)	1
(4/2) way single electronic controlled solenoid valve	1
One-way valve	1
One-way speed control valve	1
One-way throttle valve	1
Reducing valve	1
Direct acting overflow valve	1
Hydraulic controlled one-way valve	2
Pressure relay	1
Glycerin pressure gage	1
Micro switch	2
Tee/Cross joint	2

Electrical Control	Qty
Push buttons with N/C and N/O electrical ports	6
Knob switches with N/C and N/O electrical ports	3
Relay switches with N/C and N/O electrical ports	2
Timer switch with N/C and N/O electrical ports	1
Electric fuse	1
ON/OFF switch	1
Switching power supply	1

Accessories	Qty
Power line	1
Power socket	2
Safety plug wire (4mm) (red, black)	1
Hydraulic tubes with quick coupling suite	1
Fuse protector	5
Hydraulic station	1
Aluminum alloy box with mounting slot	2

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